

For Research Use Only

Phospho-FRS2 (Tyr436) Recombinant antibody, PBS Only

Catalog Number: 85242-1-PBS



Basic Information

Catalog Number:

85242-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC021562

GeneID (NCBI):

10818

UNIPROT ID:

Q8WU20

Full Name:

fibroblast growth factor receptor substrate 2

Calculated MW:

60 kDa

Observed MW:

80-85 kDa

Purification Method:

Protein A purification

CloneNo.:

242134H8

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse

Background Information

Fibroblast growth factor substrate 2 (FRS2), a lipid-anchored docking protein that is phosphorylated upon activation of FGFR, is critical for recruitment of downstream signaling molecules and links the FGFRs to the Ras/Mek/Erk pathway and the PI3-Kinase/Akt pathway. Studies have found that the phosphotyrosine binding domain of FRS-2 directly binds the Trk receptors at the same phosphotyrosine residue that binds the signaling adapter Shc, suggesting a model in which competitive binding between FRS-2 and Shc regulates differentiation versus proliferation. (PMID: 19053057, PMID: 10092678)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

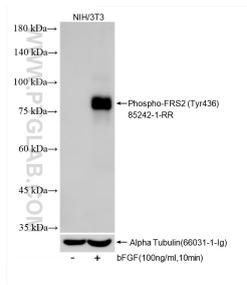
For technical support and original validation data for this product please contact:

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Selected Validation Data



Non-treated NIH/3T3 cells and bFGF (HZ-1285) treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 85242-1-RR (Phospho-FRS2 (Tyr436) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as loading control. This data was developed using the same antibody clone with 85242-1-PBS in a different storage buffer formulation.